Amend the claims as follows (this listing of claims replaces all prior listings):

1-10. (Cancelled).

11. (Currently amended) A method for tracking a vehicle comprising:

receiving a reference signal from a positioning system;

computing position data related to the location of the vehicle using the received reference signal;

transmitting the position data from the vehicle to a server; and

at the vehicle, receiving from the server position correction data and determining estimated coordinates of the vehicle ~~including by~~ including combining data computed from the received reference signal and the position correction data;

wherein computing the position data and determining the estimated coordinates are performed repeatedly for an interval of time using the same received position correction data, and subsequent to the interval of time, are performed repeatedly without using the received correction data.

12. (Cancelled).

13. (Previously presented) The method of claim 11 wherein:

receiving the reference signal from a positioning system includes receiving signals from a plurality of positioning satellites;

computing the position data includes computing a range measurement to each of the positioning satellite;

receiving the position correction data includes receiving range correction data for range measurements to the positioning satellites; and

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combining the position data and the position correction data includes combining the range measurements and the range correction data.

14.   (Previously presented) The method of claim 11 wherein:

receiving the position correction data includes receiving a location correction; and

combining the position data and the position correction data includes computing uncorrected coordinates from the position data and adding the location correction to the uncorrected coordinates to determine the estimated location of the vehicle.

15.   (Previously presented) Software recorded on a computer readable medium for causing an in-vehicle computer to perform the functions of:

receiving a reference signal from a positioning system;

computing position data related to the location of the vehicle using the received reference signal;

transmitting the position data to a server;

receiving from the server position correction data;

determining estimated coordinates of the vehicle including combining data computed from the received reference signal and the received position correction data; and

repeatedly computing the position data and determining the estimated coordinates for the vehicle using the computed position data and the received position correction data for a time interval, and after the time interval determining the estimated coordinates without using the received position correction data.

16.   (Previously presented) An in-vehicle navigation system comprising:

a positioning system receiver for receiving reference signals from a positioning system;

a wireless communication interface for accepting data signals from a server; and

a processor coupled to the positioning system and to the wireless communication system, wherein the onboard computer is programmed to perform the functions of

accepting reference data from the positioning system receiver,

determining position data from the reference data,

providing the position data to the wireless communication interface for
transmission to the server,

accepting position correct data from the communication interface, and

determining estimated coordinates for the vehicle from the reference data and the
accepted position correction data; and

repeatedly computing the position data and determining the estimated coordinates for the
vehicle using the computed position data and the accepted position correction data for a time
interval, and after the time interval determining the estimated coordinates without using the
accepted position correction data.

17-26. (Cancelled).

27.   (New) The software of claim 15 wherein:

receiving the reference signal from a positioning system includes receiving
signals from a plurality of positioning satellites;

computing the position data includes computing a range measurement to each of
the positioning satellite;

receiving the position correction data includes receiving range correction data for
range measurements to the positioning satellites; and

combining the position data and the position correction data includes combining
the range measurements and the range correction data.

28.   (New) The software of claim 15 wherein:

receiving the position correction data includes receiving a location correction; and

combining the position data and the position correction data includes computing

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uncorrected coordinates from the position data and adding the location correction to the uncorrected coordinates to determine the estimated location of the vehicle.

29. (New) The in-vehicle navigation system of claim 16 wherein:

accepting reference data includes accepting reference data from a plurality of positioning satellites;

determining position data includes determining a range measurement to each of the positioning satellites;

accepting position correction data includes accepting range correction data for range measurements to the positioning satellites; and

determining estimated coordinates data includes combining the range measurements and the range correction data.

30. (New) The in-vehicle navigation system of claim 16 wherein:

accepting position correction data includes accepting a location correction; and

determining estimated coordinates data includes computing uncorrected coordinates from the position data and adding the location correction to the uncorrected coordinates to determine the estimated coordinates of the vehicle.